	ID-201901100
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	SC-402 Assignment. 1
[1]	We got 26 solutions for keys
	x=0 to $x=26$ .
	Among them.
	Among them. The answer is found for key
	x=16 and which is LOOK UP
	IN THE AIR ITS A BIRD ITS A
	PLANE ITS SUPERMAN.
[2]	Im: for m=30:100:1225
	for m = 30
	30 = 2×3×5
	$\phi(30) = 100 \times 2 \times 4 = 8$
	mimber of keys in affine cipher=
	30 X8 = 240
-	for m=150
	100 = 2x2 x5 x5
	O(150) = (4-2) x (25-5) = 40
	number of keys in affine cipher = 4000
-	for m=1225
A Company of the Comp	1225 = 15 x 5 x 7 x 7
	\$(1225) = (25-5) × (49-7) = 890
	number of keys in affine cipher=
3.00	number of keys in affine cipher= 1225 x 840 = 1029000

	Proje No.:
	050:
[3]	7m for m= 28, 33, 35
	fox 728.
	invertible elements=1,3,5,9,11,13,15
	17,19,23,25,27
	for 733,
	invertible elements=1, 2, 14, 5, 7, 18, 10,
	13,14,18,17,19,20,23,25,26,98,1991,31,39
	for 735.
	invertible elements= 1,2,3,4,6,8,9,11,12,
	13,16,17,18,19,22,23,24,26,27,29,31,32,
	33,34
[4]	(q) ? ***
	JT-100111-be 1 2 3 4 5 6 7 8
	2'46.18:3.57
	7.7.1
	<u>Cb)</u>
	TGEEMNEL GENTEEML
	12345678 24618357
	NNTORDED NOONOTRE
	12345678 24618357
	Sala to the sala in the sala i

Paga i	4o.:_	project e custo est		distribution
		on a county de fending	4	and appropriate

AAHD	OETO	n pe	ЭСН	カケ
1234	5.678	2461	At the same	

SHAFTRIM HETSMATI 12345678 24618357

final encoded form will be GENTEEML NOONOTRE ADEACHOT HETSMAIL

NATION OF STREET our décipher réquires 12/m7m, 50 m can only be 1,2 003.

for m=2, the key is not constant 30 we will check for m=3.

Here, we will check for 9 characters to comstruct matrix and last 3 characters, will be

We will check the constructed matrix is correct motion

construct the matrix

K=(1 17 4:0 19 7:1910 10) \*\* (17 20 15: 14 19 4 : 13 (9 14)

30, matrix K= (3 21 20:4 15 23:6 14 5)

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Oate :	A STATE OF		THE ST

T67	From the question
	1 1 0 8 1 X9 - (10)
	V1 - 12 1 16), X5 = (90,0,1), A6 - (8) 4, 183
	N. = (3: 1817) Yo = (12, 18, 8), 13-(14, 15, 11)
	V:= 193 11.9), 75= (1,25,20), 76= (11,11,19)
	C. 150516, it holds 71= xix eth
93a) squ	Ha Amo 15.053 cue have
	Y: = Y = (:X; - X4-) *X[
	the Anger the motor of 3x3
	4 having 0005 4-74 (184,13)
	and them it = (x) ly.
•	once we found brove cand
	determine b. A
· · · · · · · · · · · · · · · · · · ·	b=yi-Xi-L
	cue have, x=(23,15,18;15,11,21;23,2014)
	-y'=(6,7,8:15,7,25:17,4,2)
	30-12 coil be (3-6 4:5 15 18:17 85)
	then b= (8 31:1)
	Control of the state of the sta

(7) we get plain text for all keys from
'a' to 'z'.

Among them, 't' gives meaningful
plaintext cohich is there is no
time like the present!